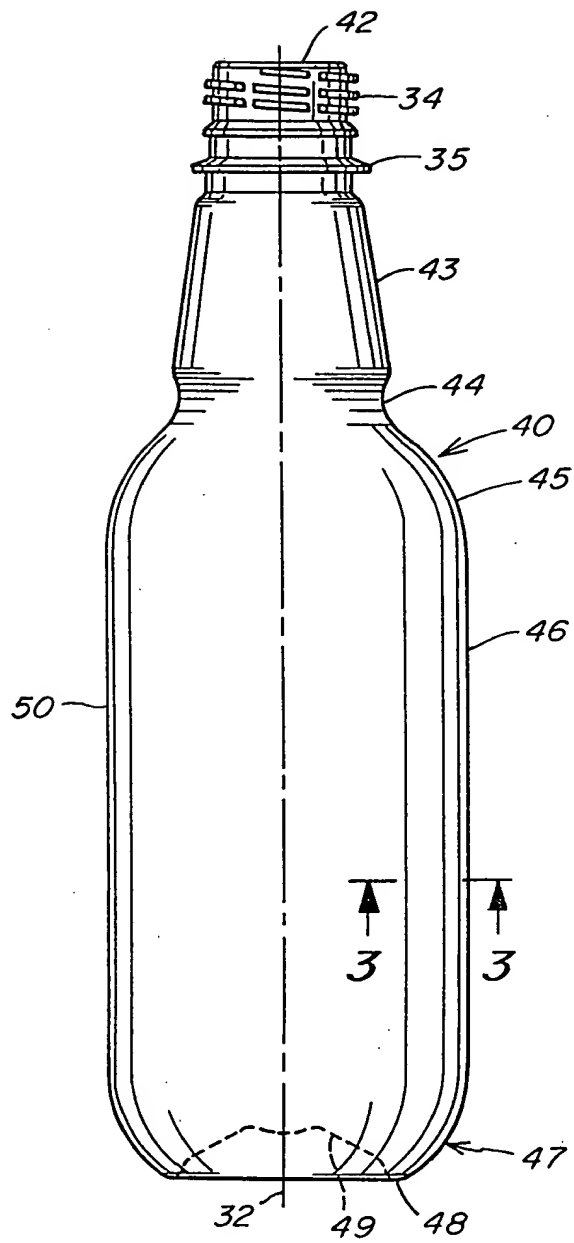
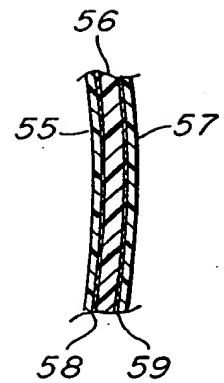


*Fig. 1*



*Fig. 2*



*Fig. 3*

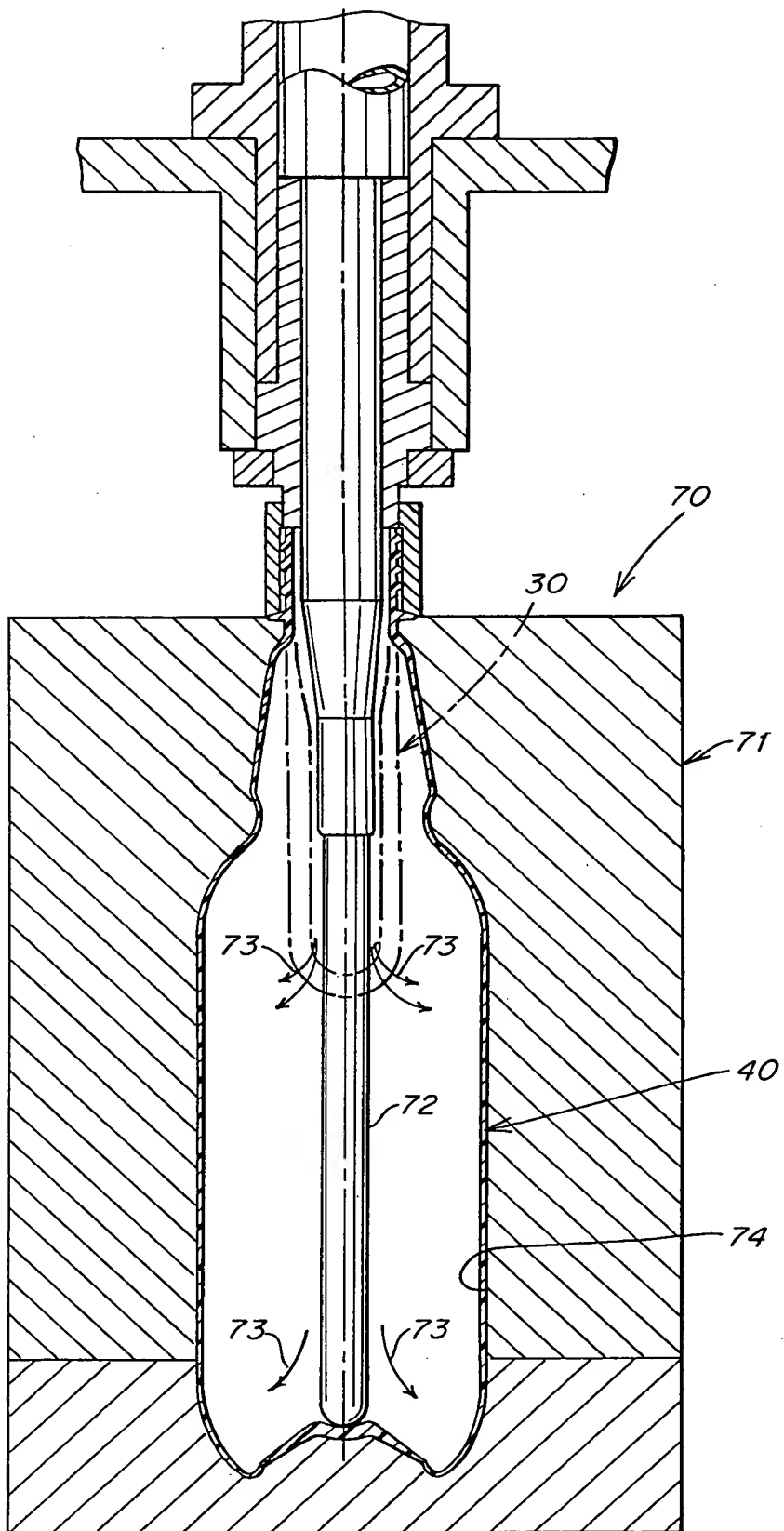


Fig. 4

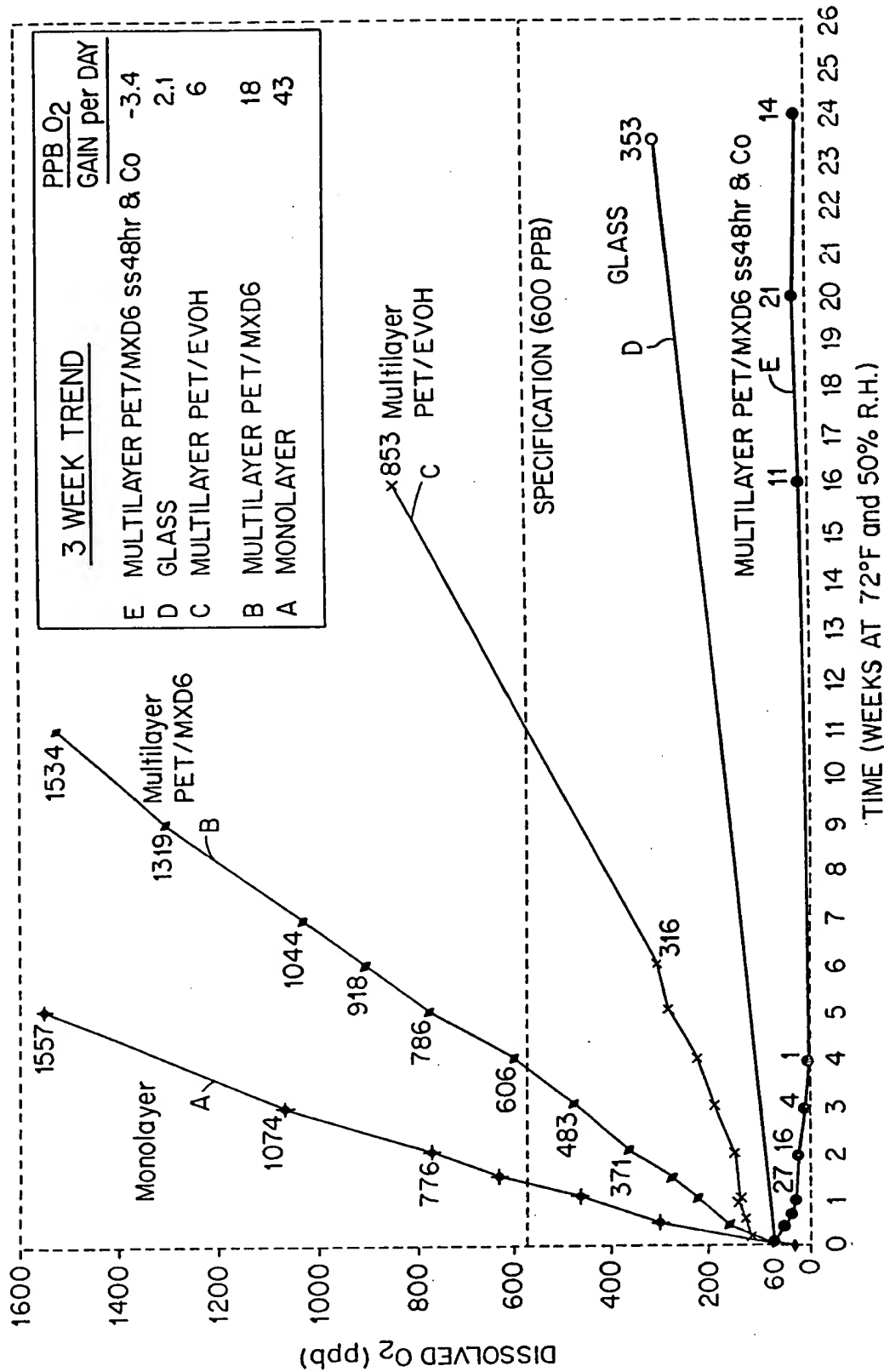
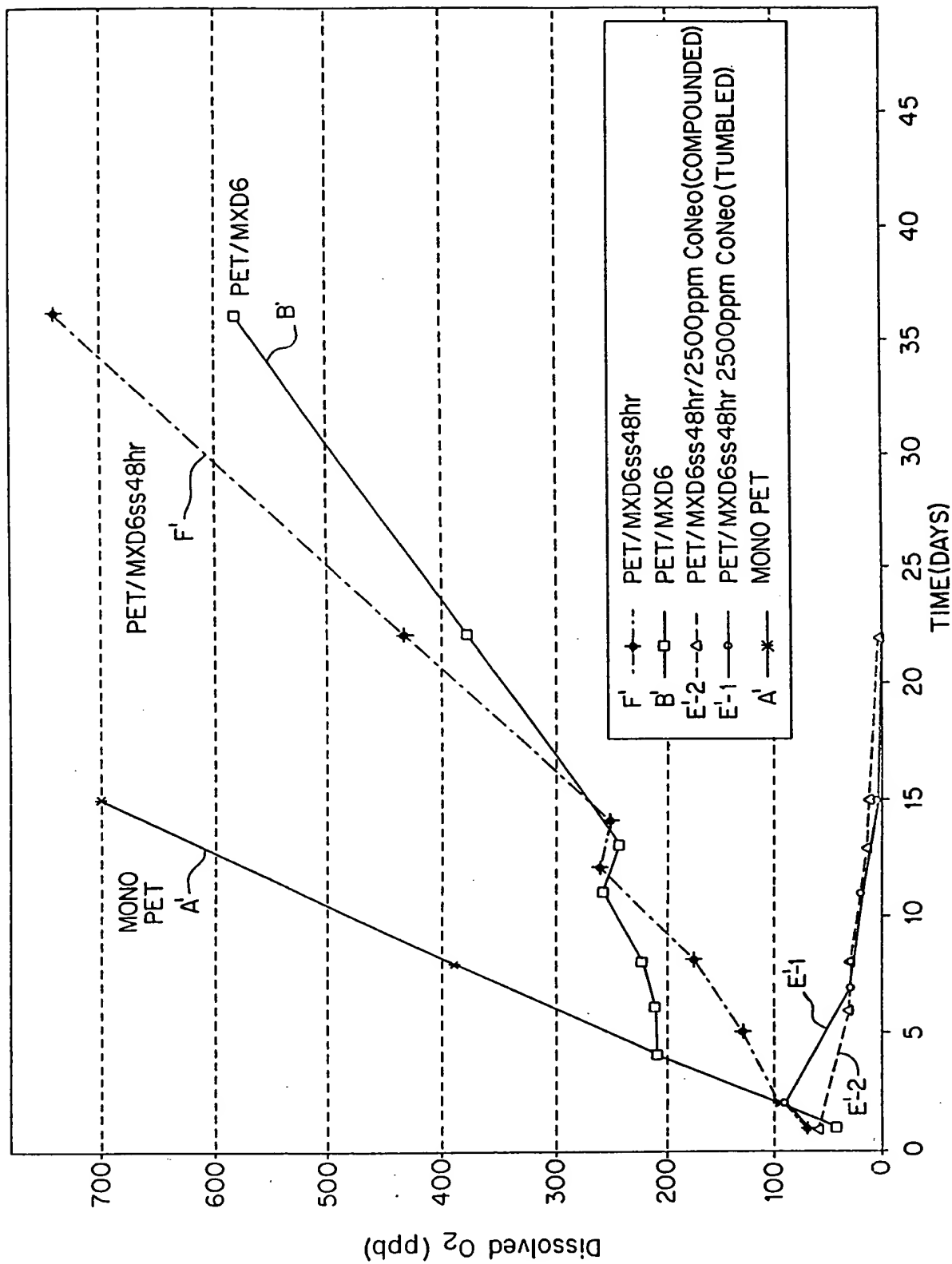


FIG. 5



**FIG. 6**

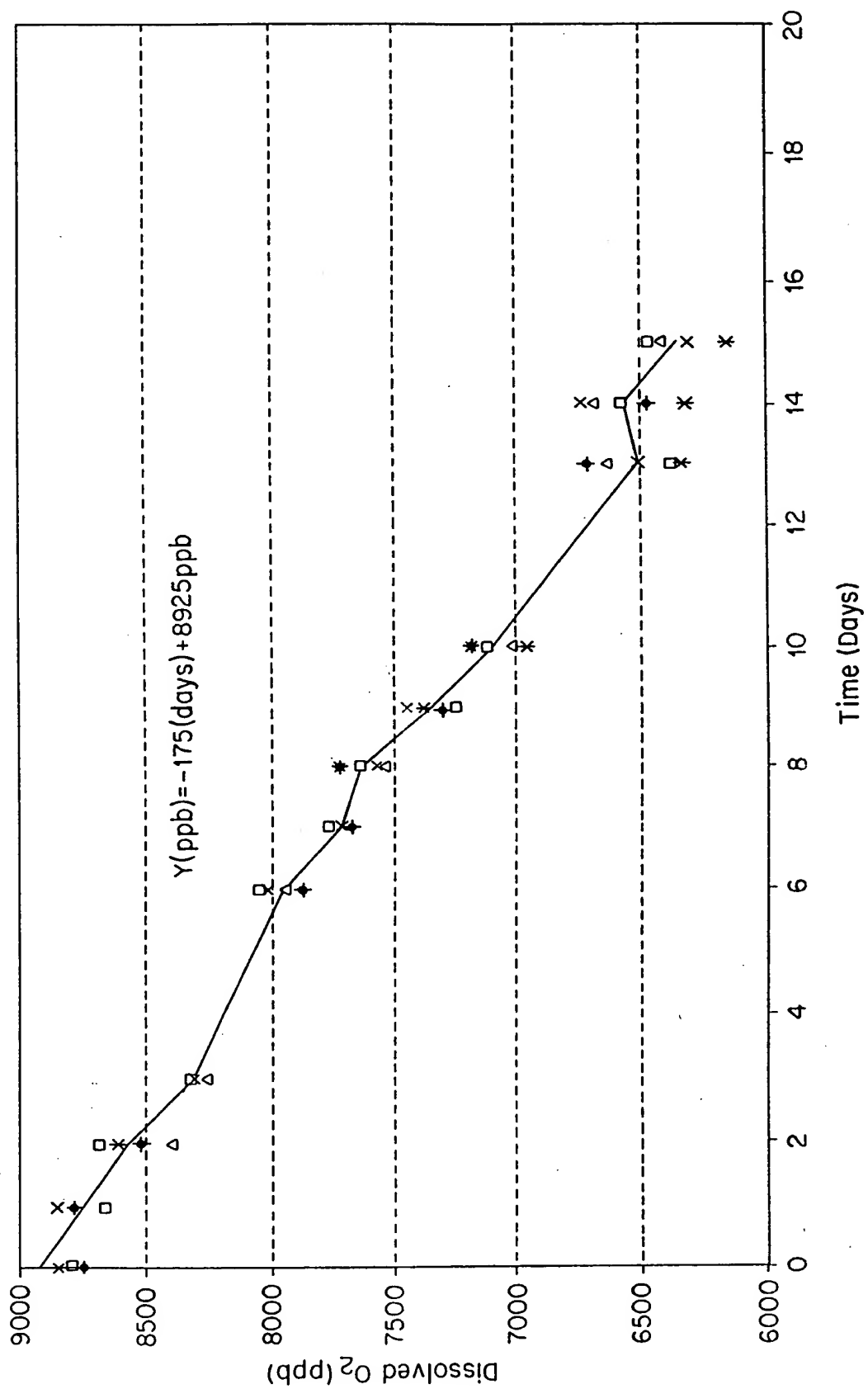


FIG. 7

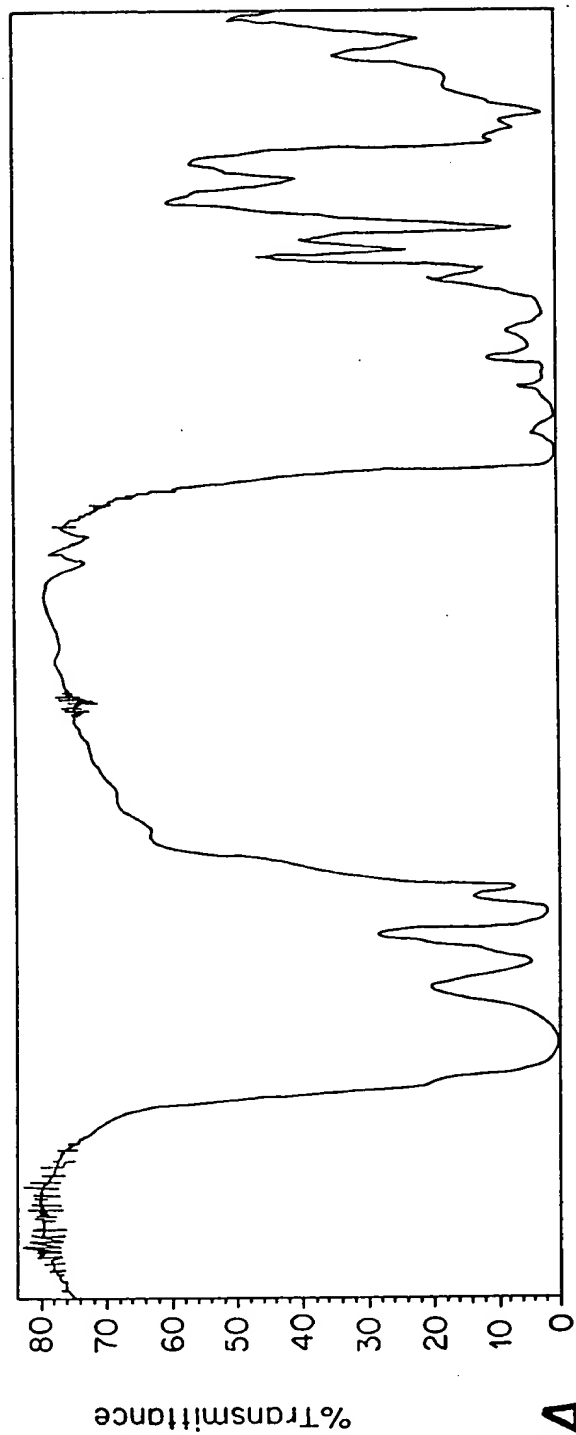


FIG. 8A

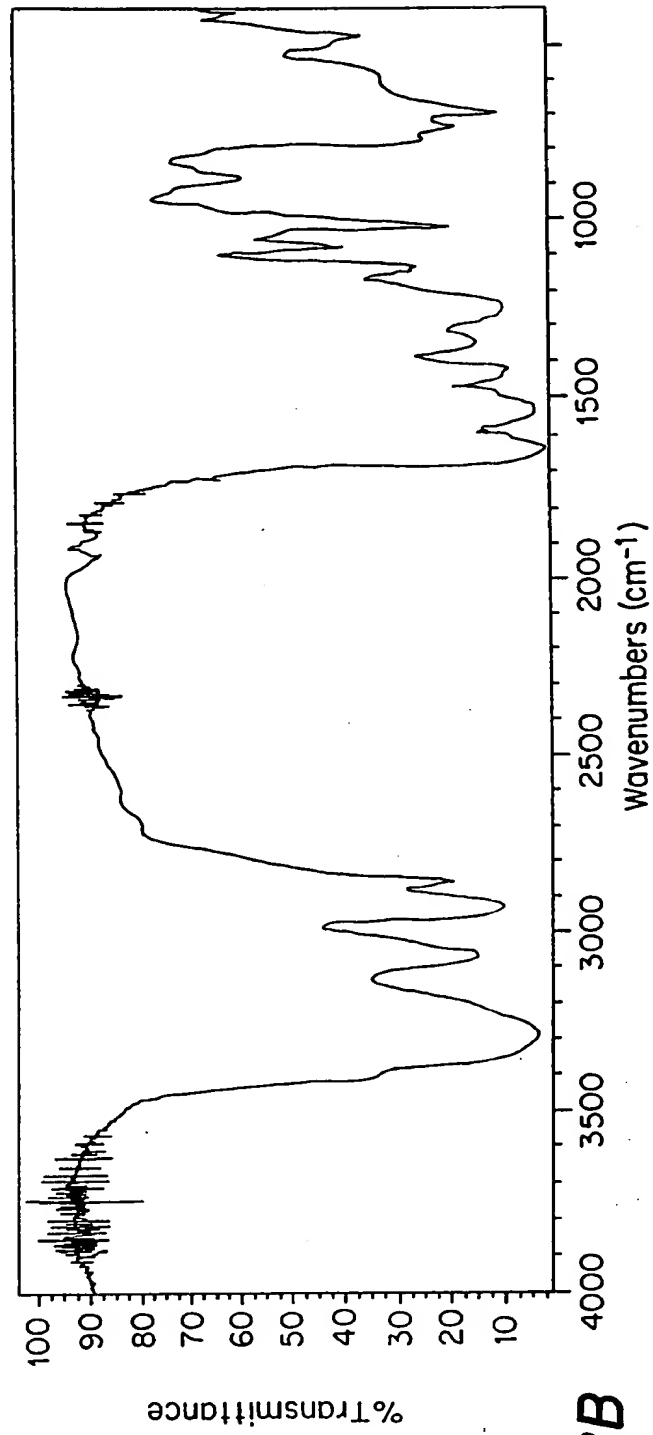


FIG. 8B

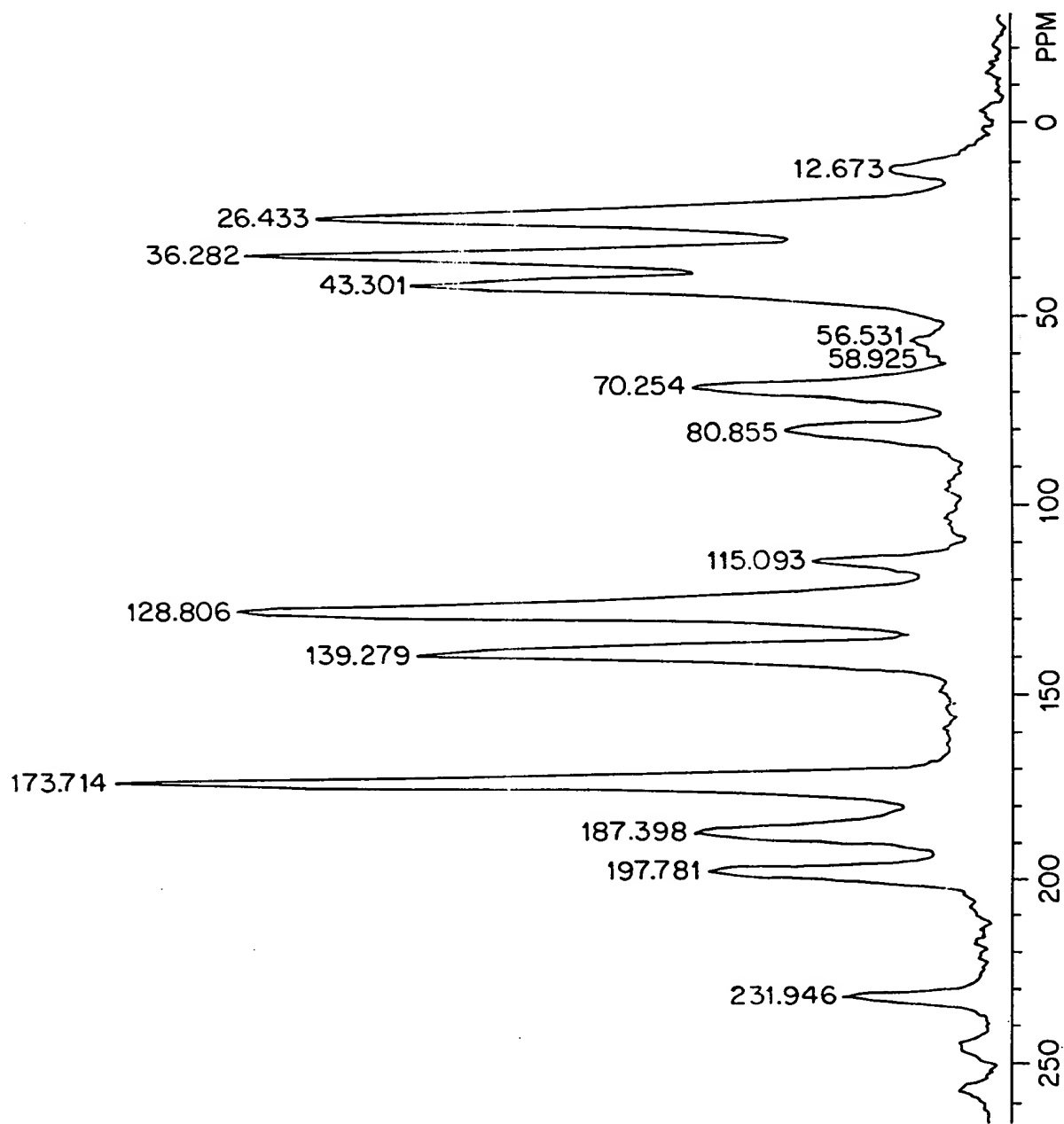


FIG. 9A

The figure displays a  $^{13}\text{C}$  NMR spectrum of 1,2-dichloroethane. The x-axis represents the chemical shift in PPM, ranging from 0 to 250. The spectrum shows 10 distinct peaks, each labeled with its corresponding chemical shift value. The peaks are distributed across the spectrum, with the most intense peak at 173.687 ppm. The following table lists the chemical shift values for all peaks shown in the spectrum:

Chemical Shift (PPM)
10.978
26.360
36.197
43.226
55.902
69.530
79.915
114.365
128.781
139.256
173.687
187.941
198.413
232.632

**FIG. 9B**



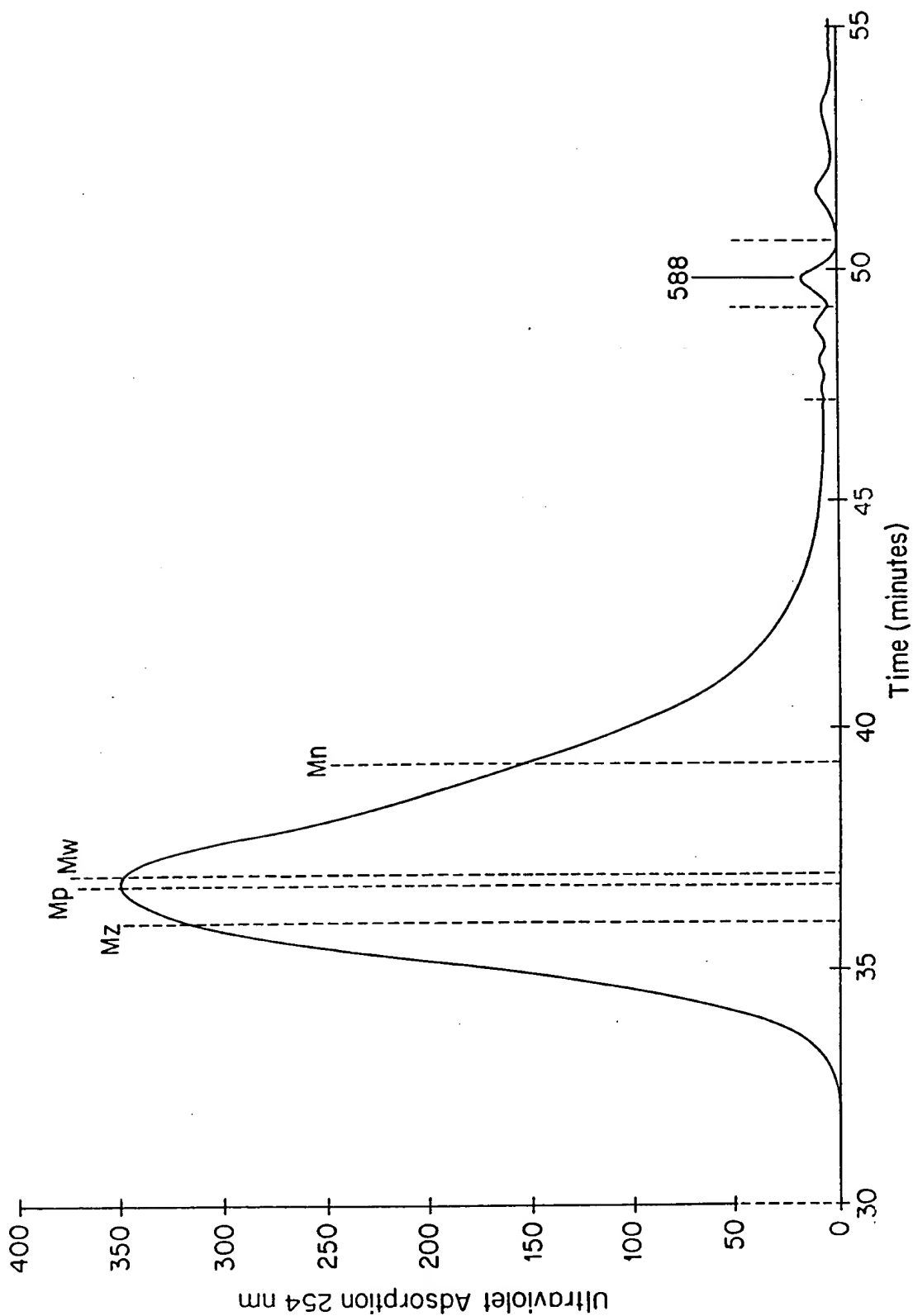


FIG. 10

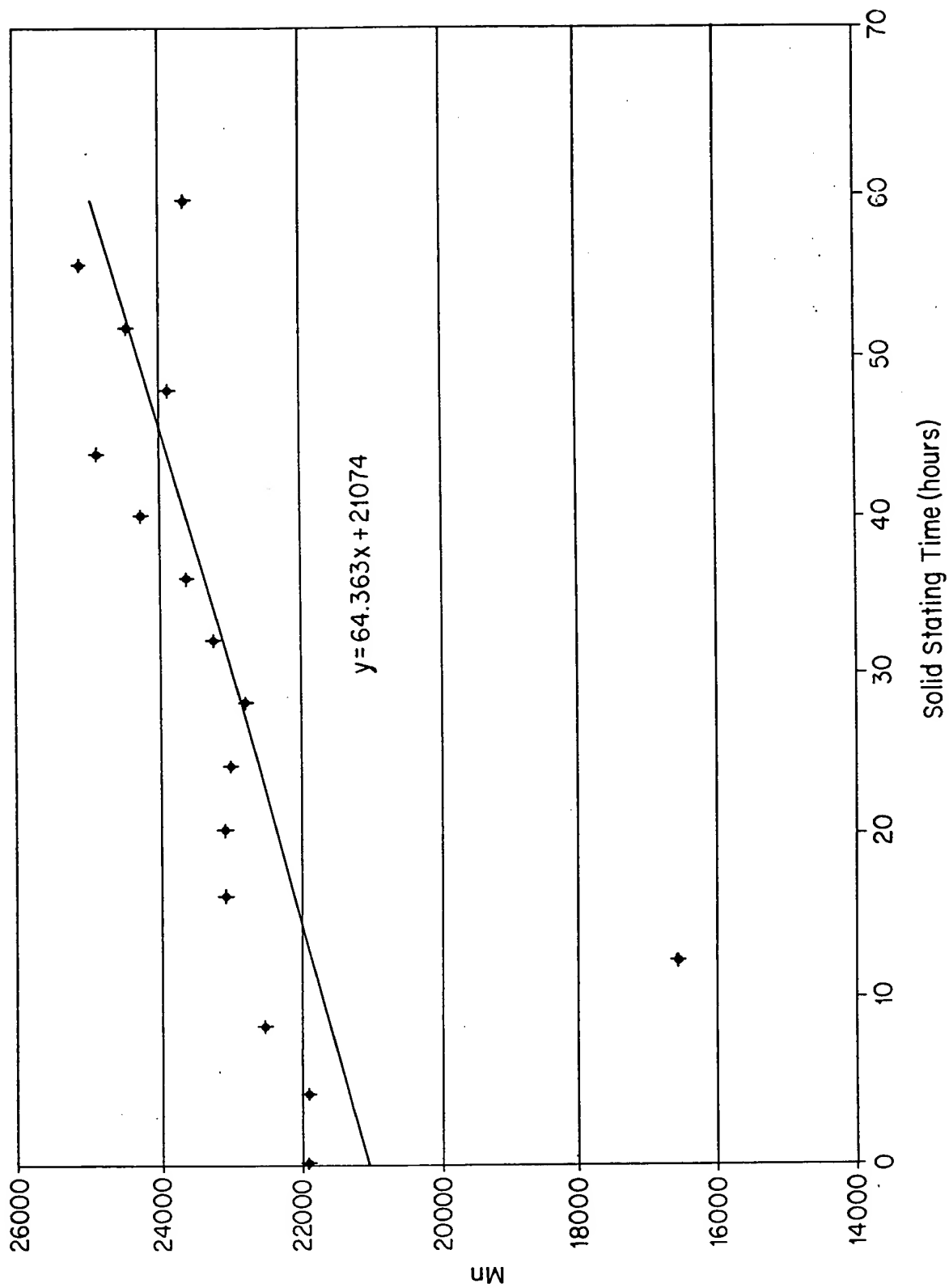


FIG. 11

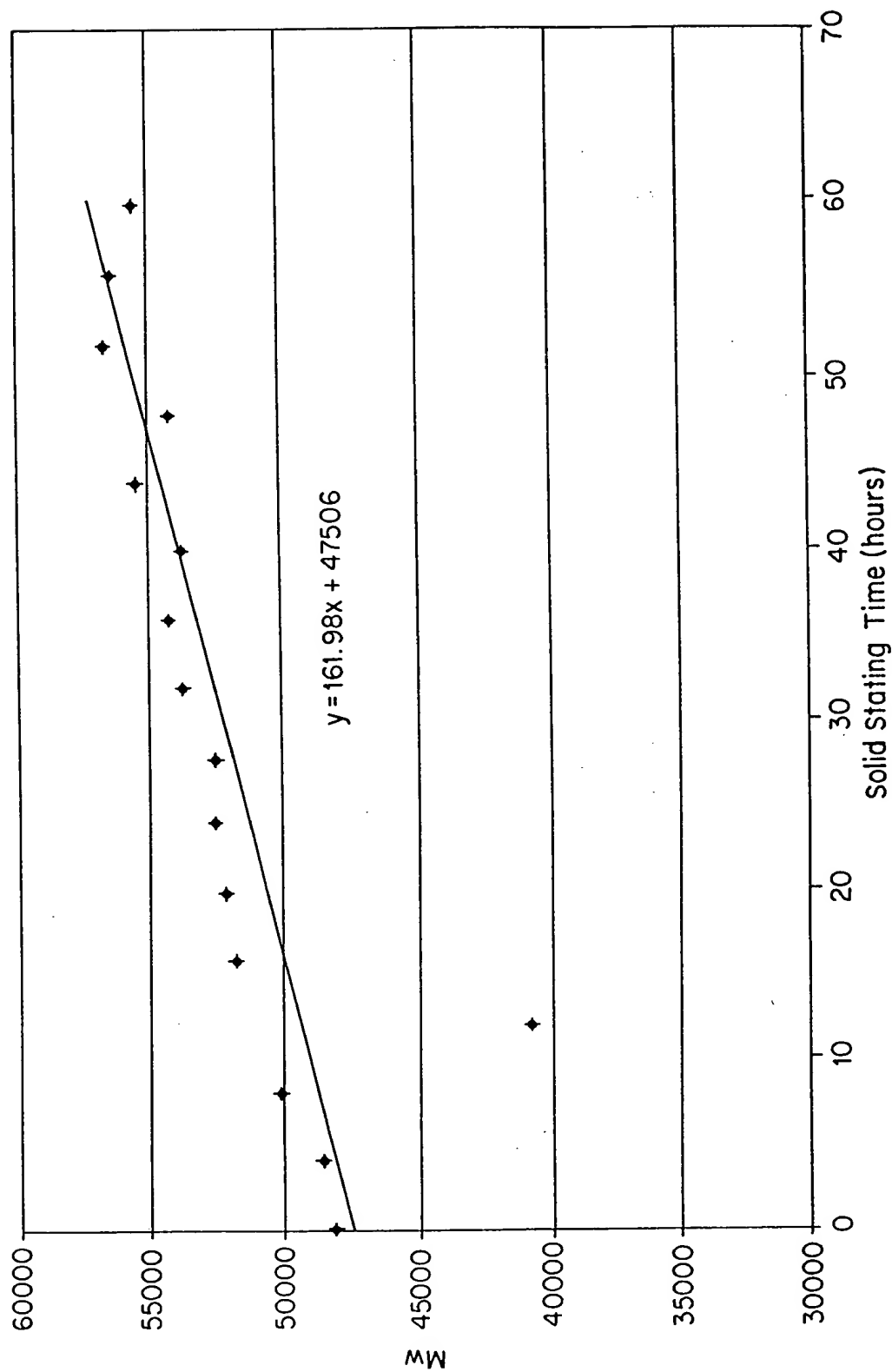


FIG. 12

**FIG. 13**

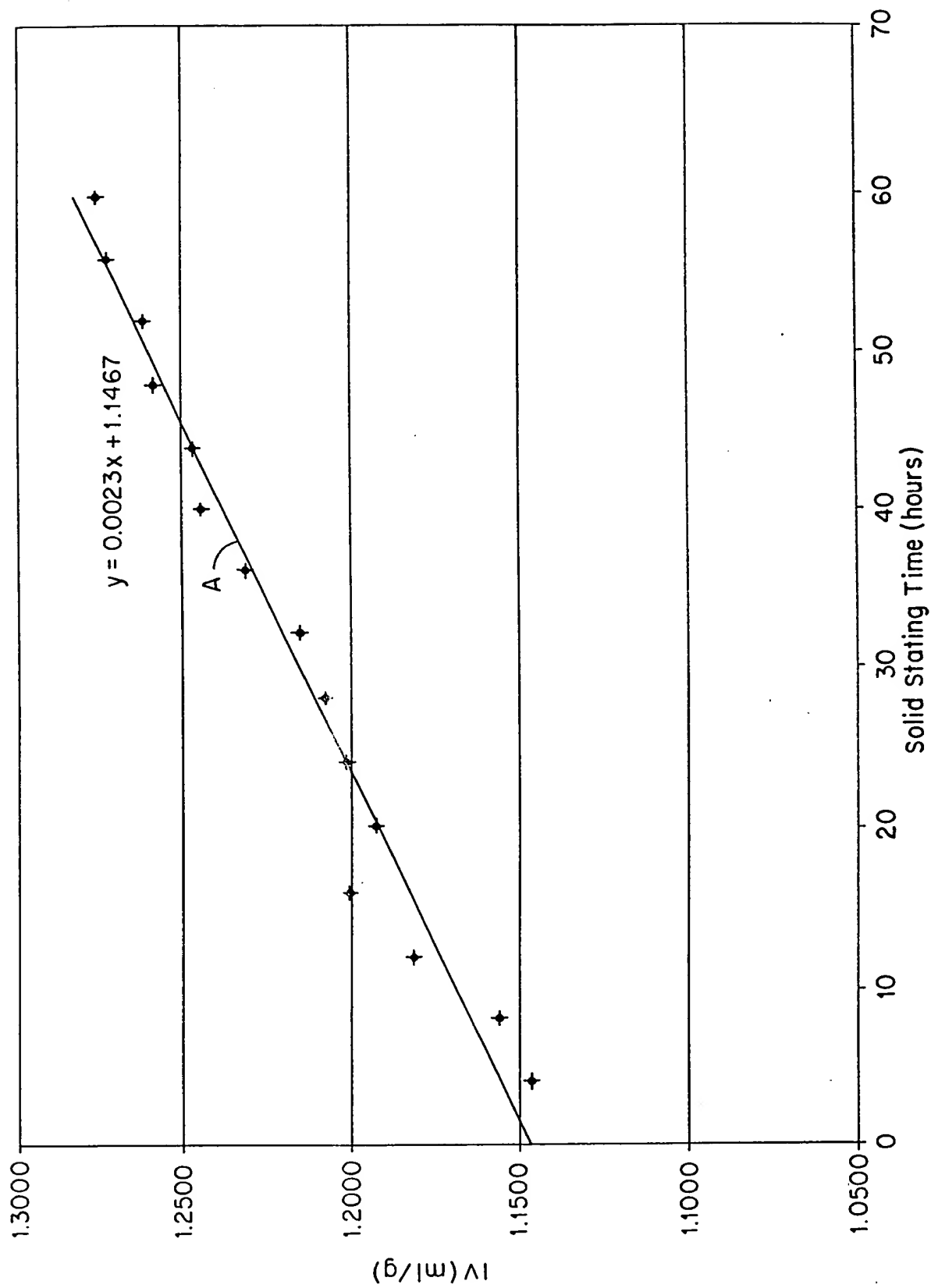


FIG. 14

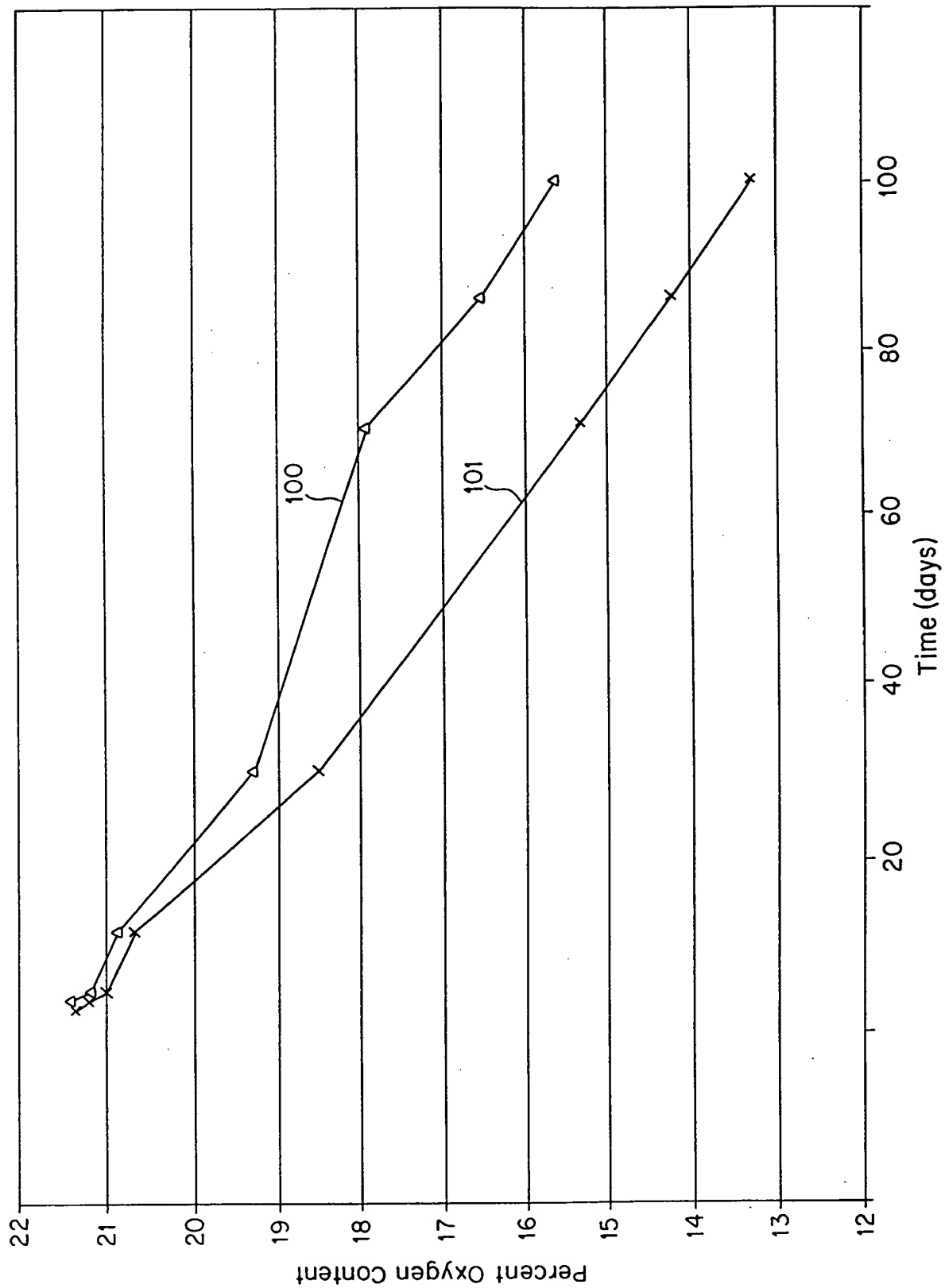


FIG. 15A

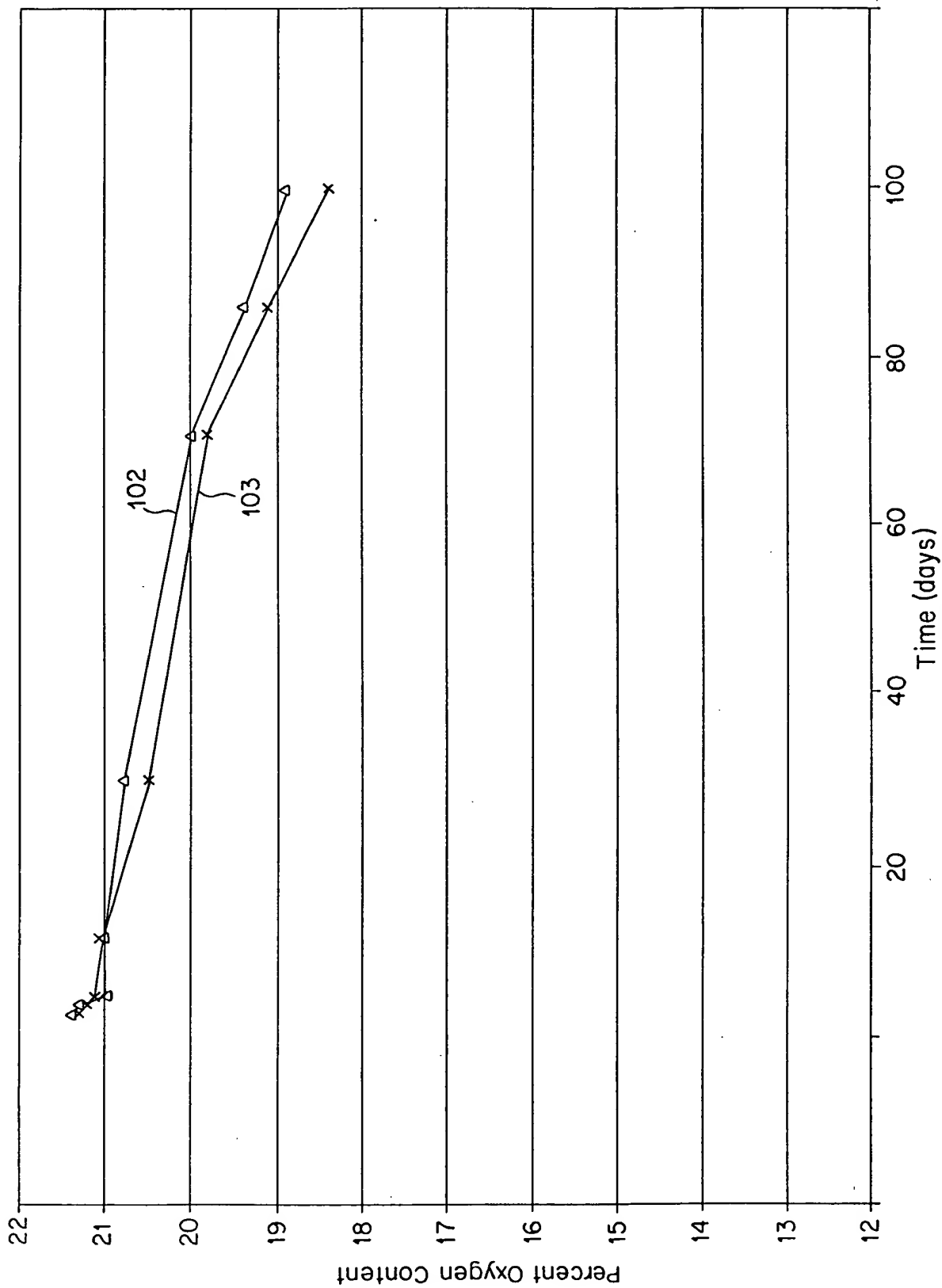


FIG. 15B

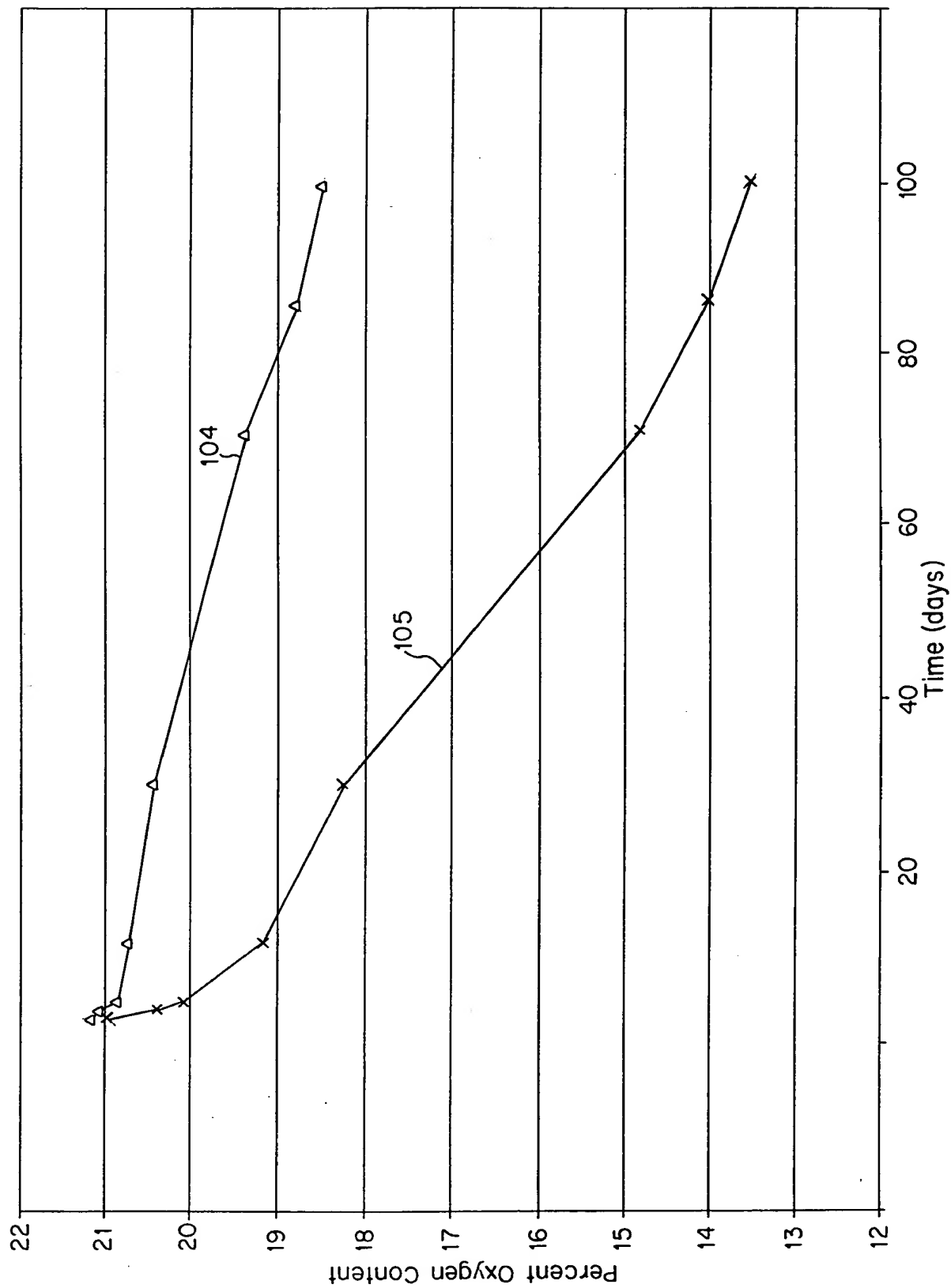


FIG. 15C



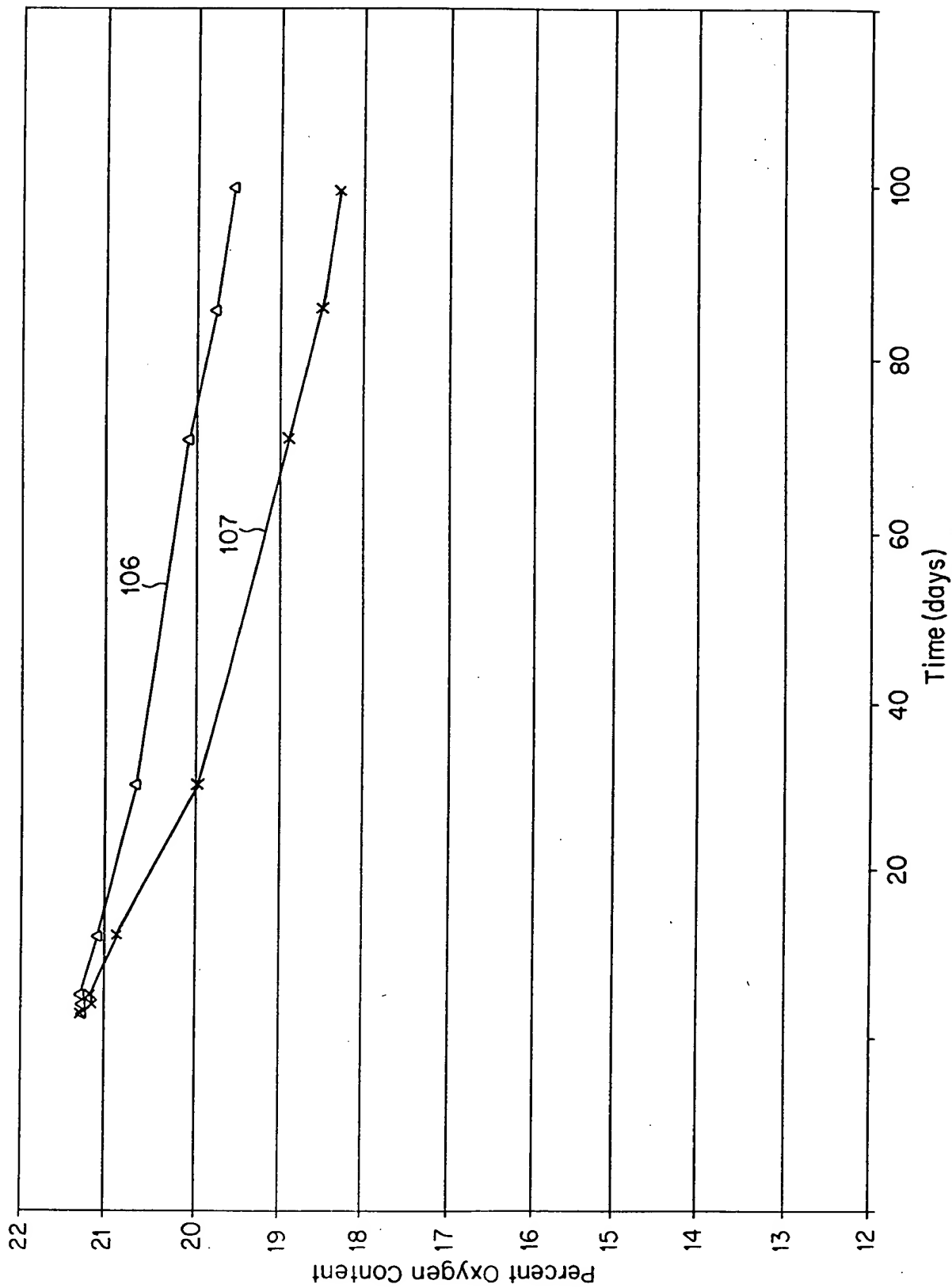
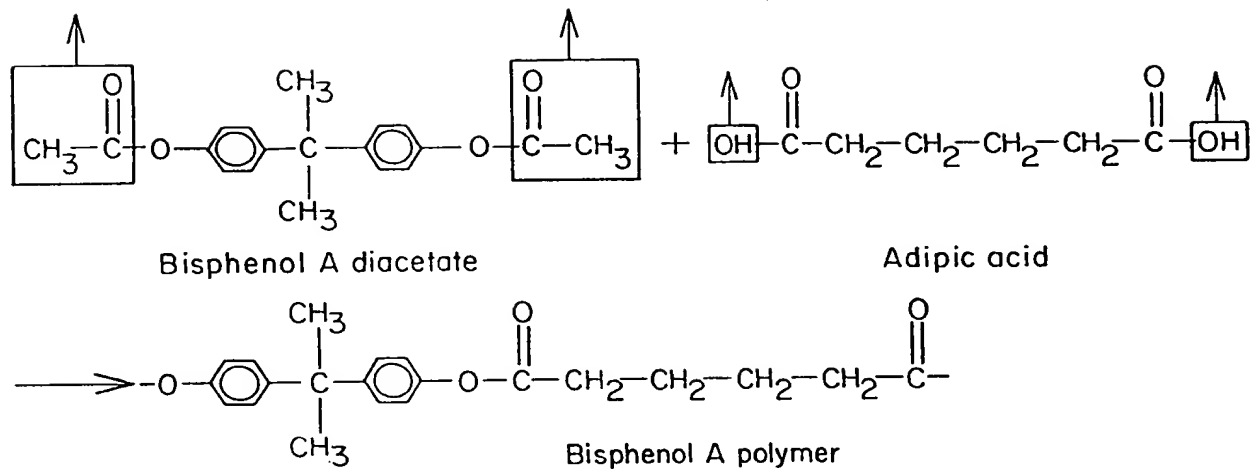


FIG. 15D



**FIG. 16**

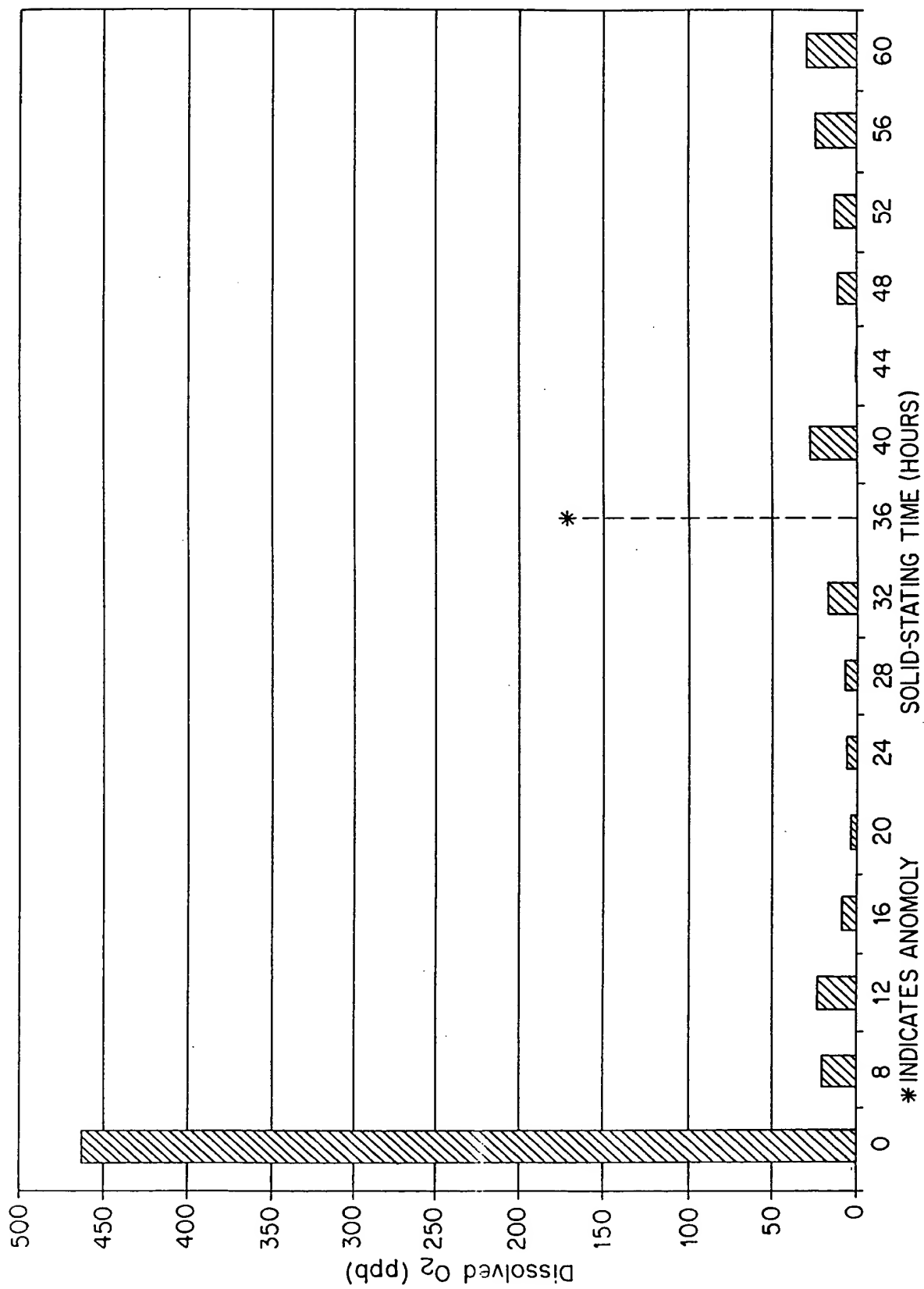


FIG. 17

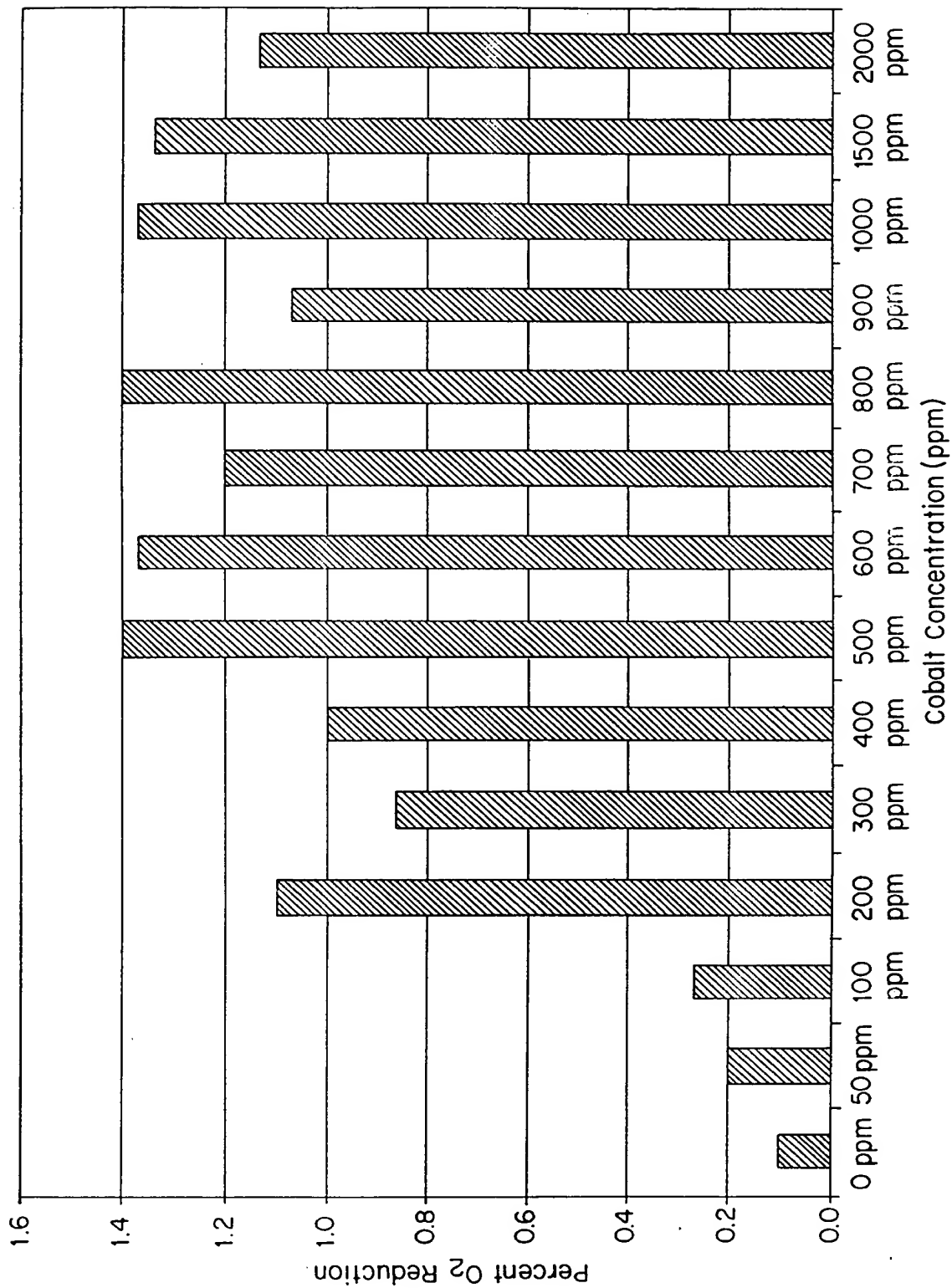


FIG. 18

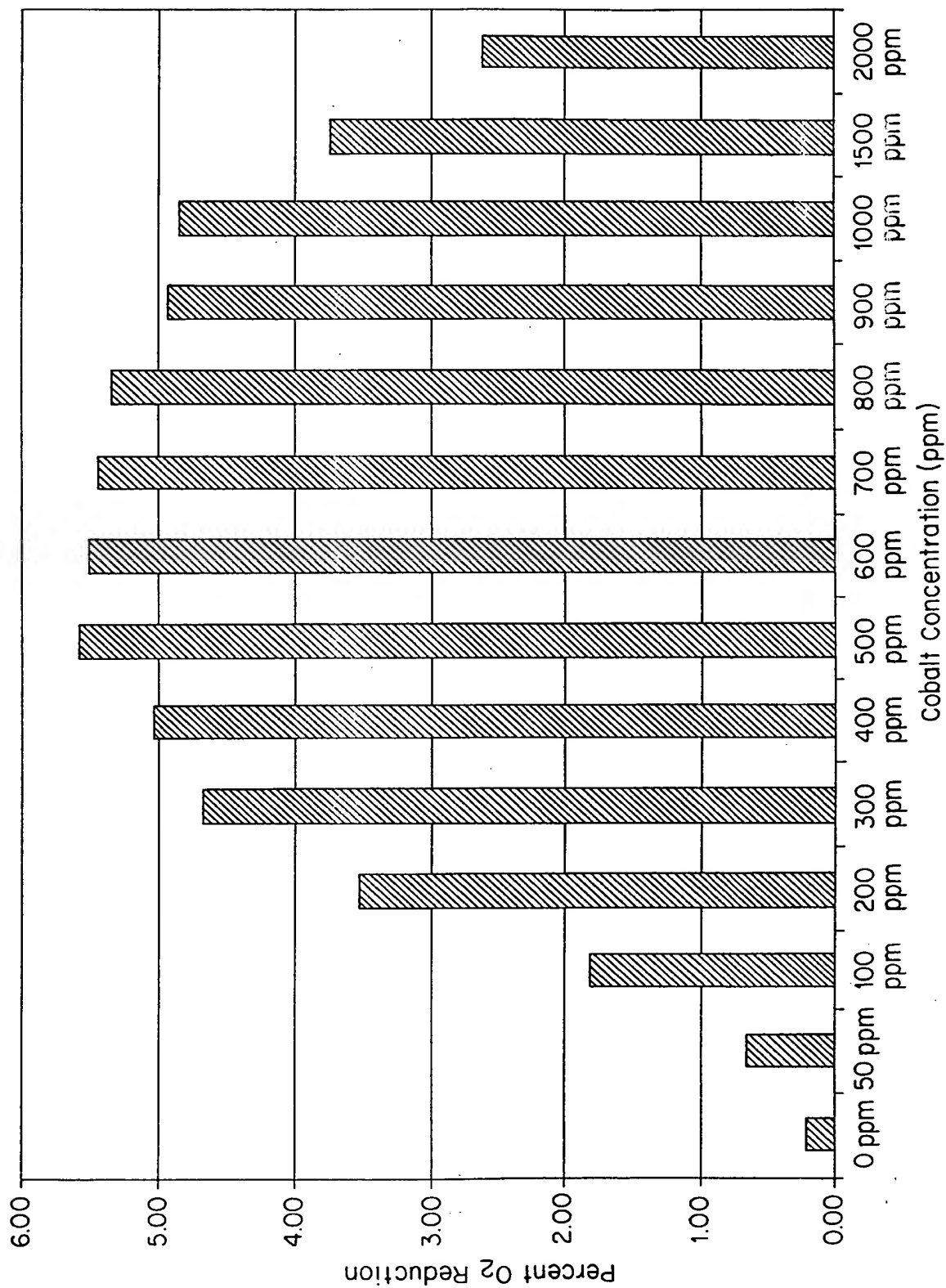


FIG. 19

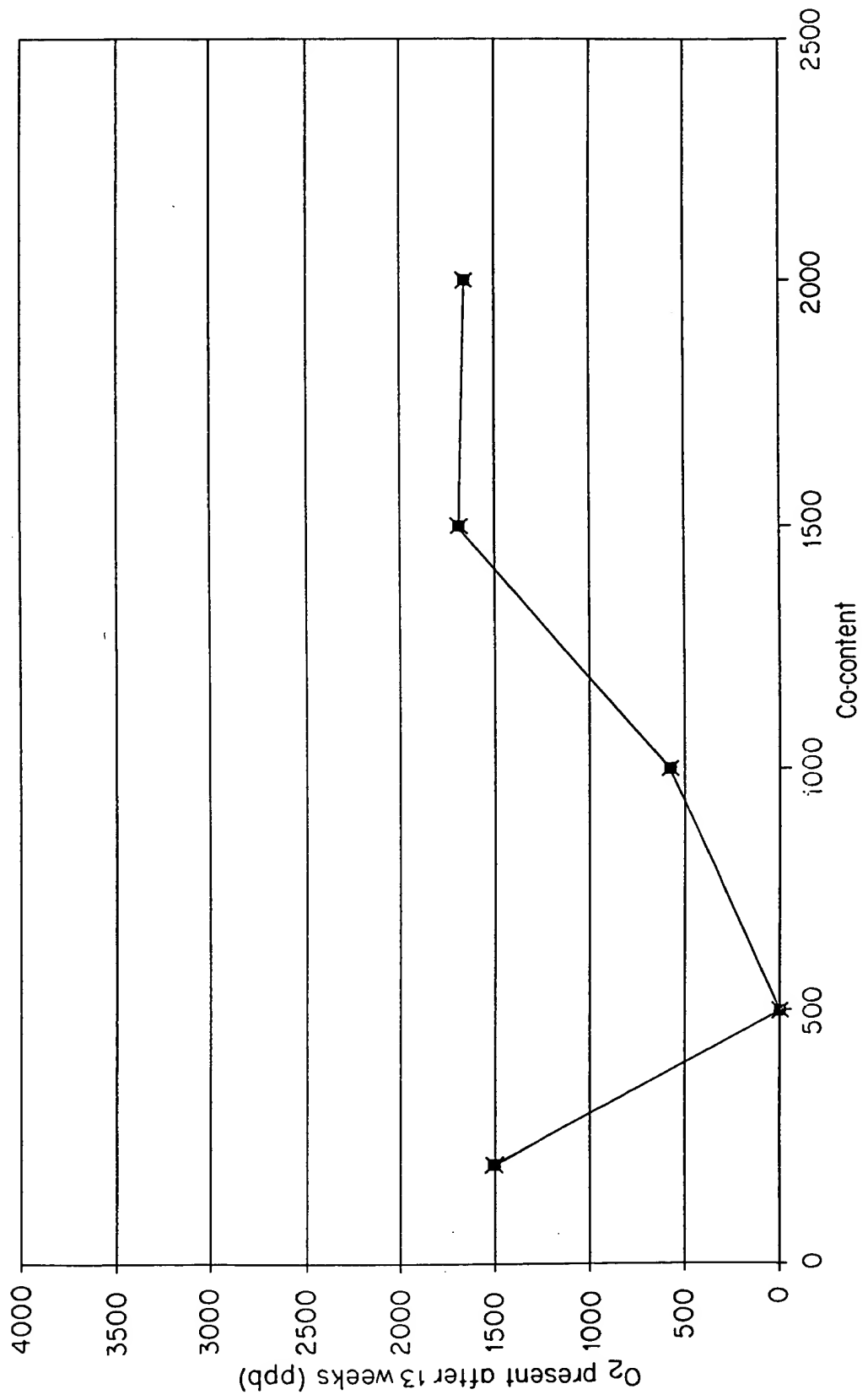


FIG. 20